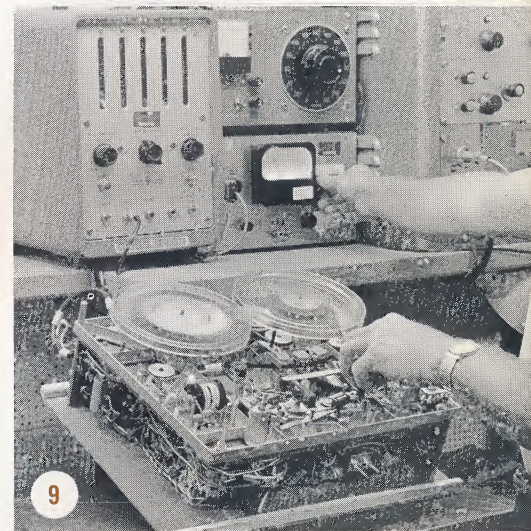
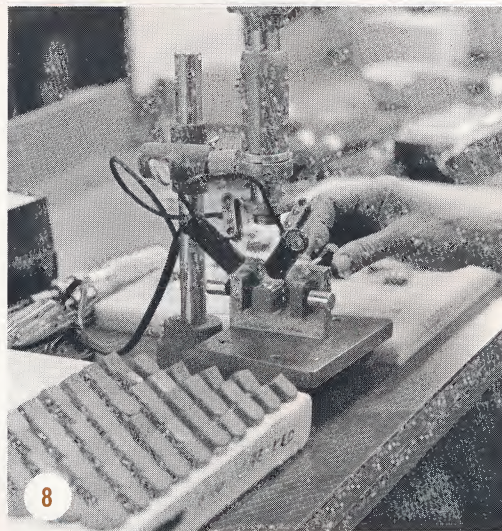
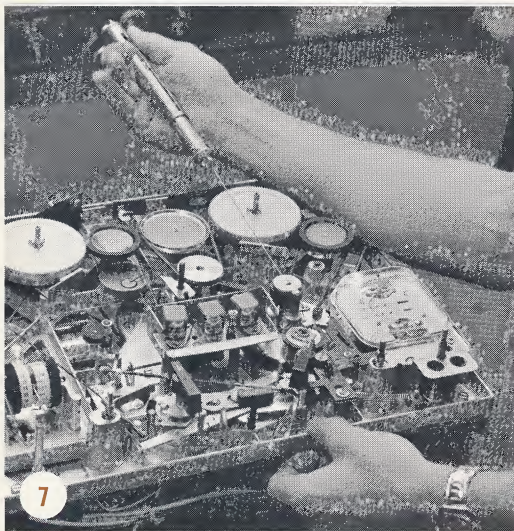
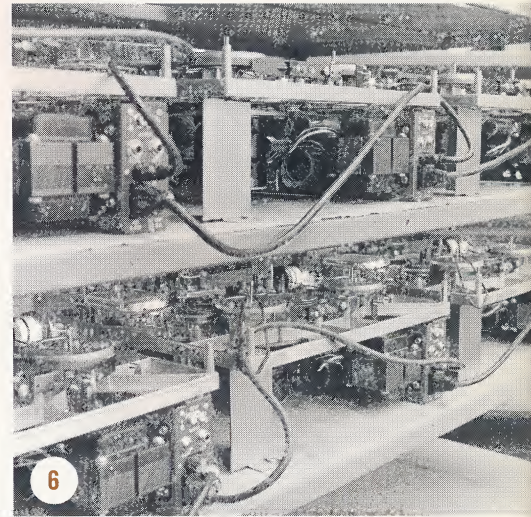
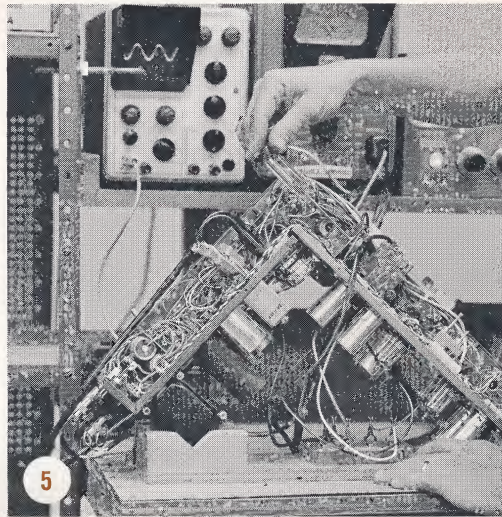
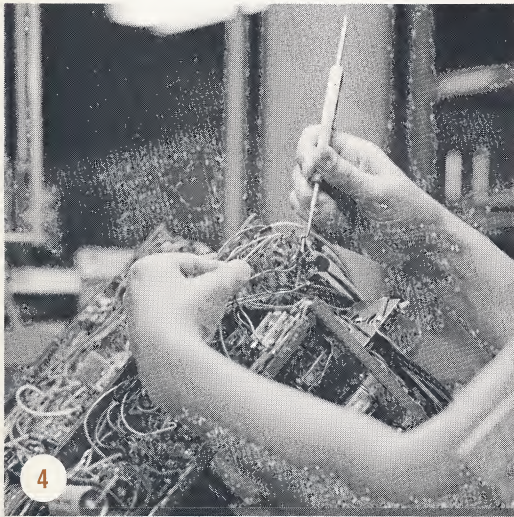
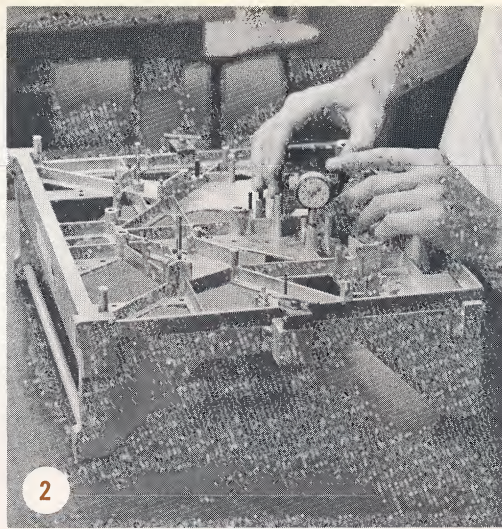
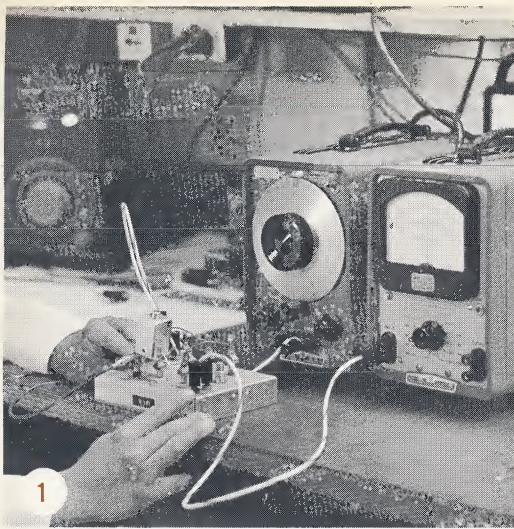




AMPEX

FINE LINE **F-44** SERIES

New 4-track stereophonic and monophonic recorder/players . . . each individually adjusted, aligned and tuned . . . each optimized to its own individual peak of performance to give you a truly customized recorder . . . another reason why . . . Ampex is the name for excellence.



AMPEX

FINE LINE
F-44
SERIES

Each Recorder is brought to its own Peak of Performance

Specifications are used to indicate a recorder's performance characteristics... but your F-44 is more than a mass-produced recorder manufactured to meet minimum specifications printed on a piece of literature... each F-44 series recorder has been optimized at every stage of production to obtain its maximum performance characteristics... each recorder is one-of-a-kind... it's **your** recorder.

Optimizing your F-44 to its own Peak of Performance

Begins . . . with the inspection, testing and alignment of component parts before they are assembled to insure they meet Ampex design specifications . . . shown at left (1) a technician adjusts the Bias Oscillator Transformer for maximum second harmonic rejection (minimum harmonic distortion) . . . even the die-cast frame is re-checked prior to assembly to verify the micro-milling operation, here (2) a plane gauge is used to determine whether the magnetic head mounting and tape guides are within the 1/1000" tolerance required.

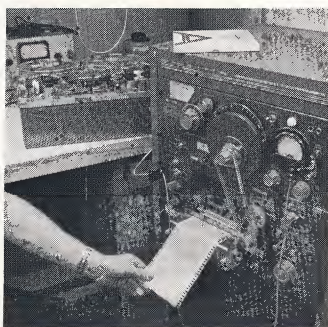
Continues . . . through every stage of sub-assembly, here (3) the F-44's Channel Selector Switch is inspected and checked for workmanship . . . then, the very same switch is checked again (4) when it has been assembled in the electronics chassis . . . the completed electronics chassis is then aligned and tuned (5) following a 33-page, step-by-step procedure that simulates all normal operating conditions with inputs and outputs measured, aligned and tuned to optimum performance.

Includes . . . mechanical as well as electrical adjustment and alignment to assure optimum performance from the tape transport system . . . after assembly of electrical and mechanical sections, the completed recorder is subjected to a 16-hour "break-in" (6) with the clutch tied into operating mode so that it is stable when finely adjusted (electronics are on during break-in period) . . . at the end of 16 hours, the transport's mechanical components are once more aligned (brake, clutch, hold-back tension spring, capstan drive, counter, etc.) . . . here (7) a tension gauge is used to measure (for adjustment, if necessary) the spring on the capstan idler drive to insure proper tension on the capstan, thus eliminating unnecessary pressure on the tape or tape slippage.

Meantime . . . the 3 magnetic heads for your F-44 recorder are being inspected and aligned to tolerances so precise they require special, Ampex-designed micro-optical measuring equipment . . . an optical comparator is used to align the height, azimuth and perpendicularity of the F-44's heads to the tape guides . . . head gap requirements are held to less than 10 millionths of an inch and here (8) a 50-power microscope is used to align the gap in the center of the area where the tape will make contact with the head (to attain equal distribution of tape wear on both sides of the head gap).

Ends . . . at three, final inspection and alignment stations . . . one (9) is in a sound-proof chamber where the mechanical function of the tape transport is once more aligned and adjusted for: speed accuracy to within 1%; optimum torque from the hysteresis synchronous motor to operate all functions with a minimum of line voltage; audible mechanical noise . . . the second station, where: recording and playback response are optimized through 15,000 cps; record bias is adjusted to minimum distortion; the second playback amplification stage is adjusted to optimize the output of the playback head and electronics on each channel . . . and the last station, where your F-44's performance characteristics are once more verified to assure you the peak of performance from your F-44.

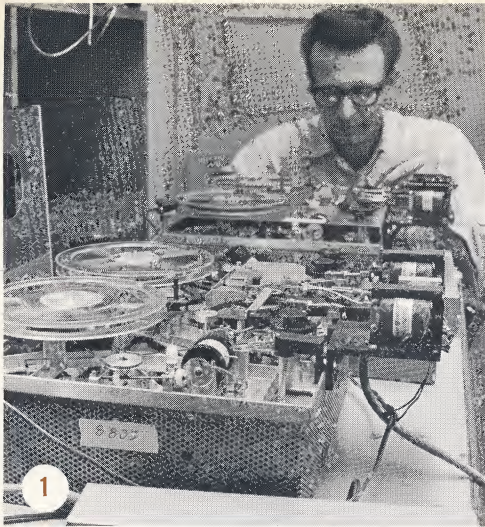
This Requires . . . 41 testing, measuring and alignment instruments representing over \$156,500 . . . the full time of 13 technicians . . . and a dedication to make each F-44 the finest quality stereo tape recorder/player money can buy.



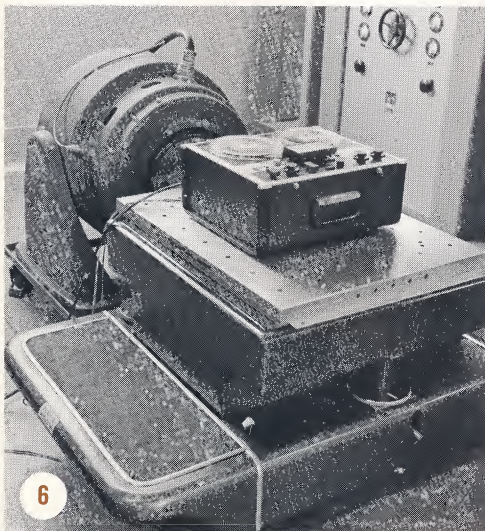
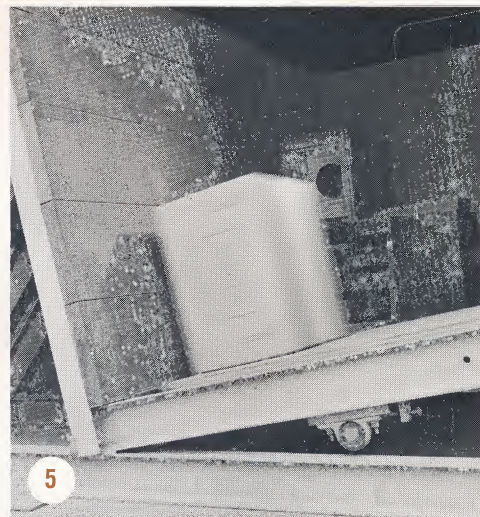
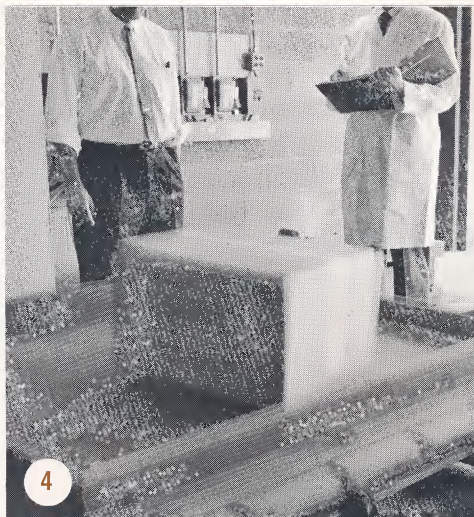
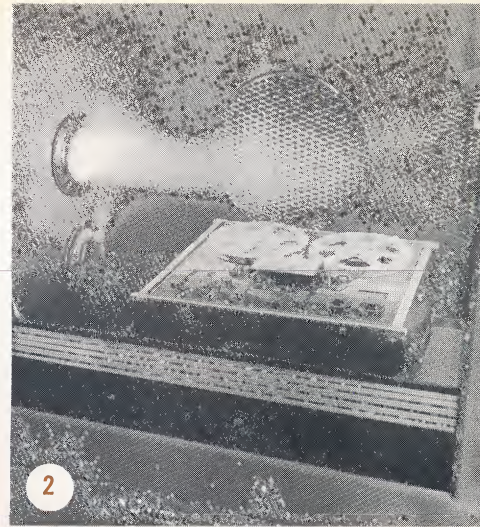
You can have your F-44's own Performance Characteristics

Because each F-44 recorder is a one-of-a-kind, an individual record is kept of its performance characteristics. As each F-44 is optimized to its own peak of performance, a record is kept of the important performance characteristics: Overall Frequency Response/Signal-to-Noise Ratio/Flutter-Wow Measurement/Crosstalk Rejection. You will obtain your F-44's own specifications when you return the 1-year Warranty Registration card to Ampex.

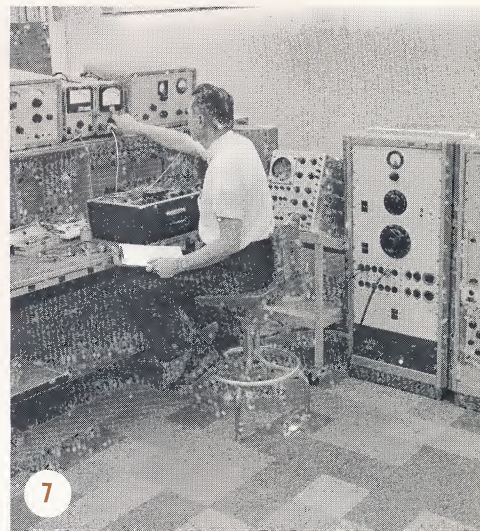
At left: Making the frequency response measurement on an F-44 recorder using a Sweep Frequency Generator.



- (1) The 6000-hour Life Cycle Test, equivalent to 6-8 years operation, puts a recorder through a complete, record-play fast wind-rewind cycle over 90,000 times under constant monitoring.
- (2) The Environmental Chamber subjects the F-44 to temperatures from -50°F to $+140^{\circ}\text{F}$ under various controlled humidities.
- (3) Removing the F-44 from the Environmental Chamber for checking, testing and evaluating effects of extreme high and low temperatures during 36-hour test.



- (4) The F-44 in its shipping carton is subjected to extreme vibration on a vibration table and ...
- (5) Put on an incline rack for an impact-shock test 4-6 times.
- (6) Then the recorder is removed from the shipping carton and placed on another vibrator table where it is bounced in resonance for two hours while operating.
- (7) \$8,600 worth of testing and measuring equipment is then used by the Quality Assurance group to check the F-44 against its original performance characteristics.



AMPEX

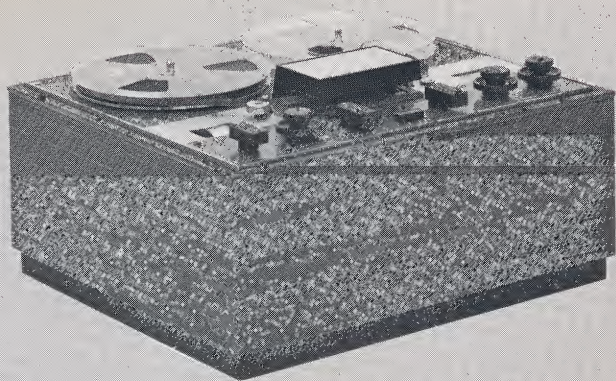
FINE LINE

F-44

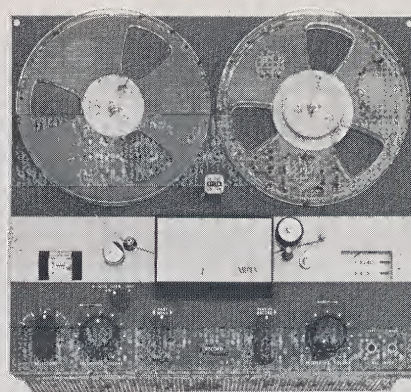
SERIES

Quality Control assures long-lasting Performance

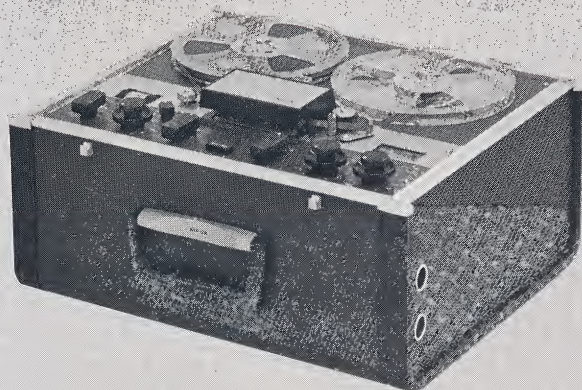
Reliability and durability are important "extra" ingredients that Ampex adds to each F-44 recorder to assure you of continued peak performance year after year after year. That's why random production line models are dropped, bumped, shook, frozen, cooked, inspected, probed, checked, measured and tested by Ampex's Quality Assurance engineers (an independent group charged with the sole responsibility of maintaining the incomparable Ampex standards of quality).



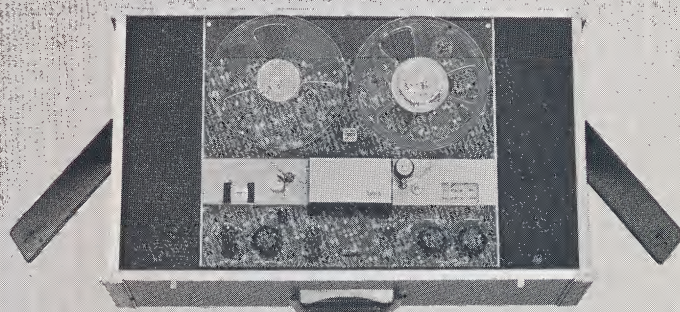
MODEL F-4450 unmounted (Walnut Cabinet optional)



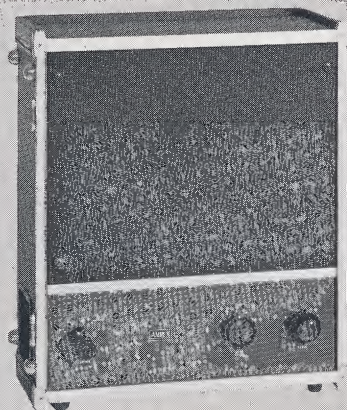
MODEL F-4452 unmounted



MODEL F-4460 Portable



MODEL F-4470 Portable with built-in amplifier & speaker



MODEL 2044 Speaker/Amplifier

THE AMPEX FINE LINE F-44 SERIES

Records and Plays — 4-track stereophonic and 4-track monophonic (also plays 1/2-track and full-track monophonic)

Has 2 Speeds — 7½ ips and 3¾ ips

Has Separate Heads — erase, record and playback

Maintains — the tradition of excellence that is part of the Ampex name

AMPEX

FINE LINE
F-44
SERIES

Model F-4450 Unmounted, with playback volume control, mike inputs on side — for use in custom installation or optional Walnut Cabinet.

Model F-4452 Unmounted, no playback volume control and mike inputs mounted on top plate — for use in component systems with central volume control.

Model F-4460 Portable, can be removed from luggage case for custom installation or in optional Walnut Cabinet — for on-the-spot stereo recording.

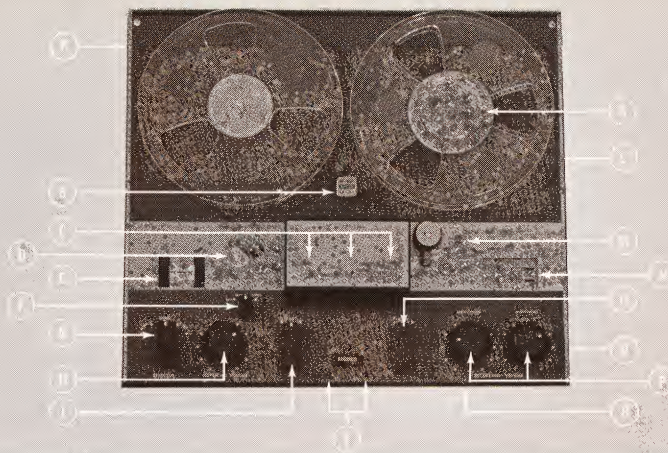
Model F-4470 Portable, with built-in dual-channel amplifier and speakers for on-the-spot recording, monitoring and playback.

Model 2044 Portable, self-contained high fidelity amplifier and speaker system for use with F-44 Series recorders, AM-FM Tuners or as a portable PA system.

YOUR AMPEX

FINE LINE F-44

A few of the F-44's new features that add to your pride of ownership — make it easier to operate — and more fun to use



New Hysteresis Synchronous Motor (L) — specially designed for your F-44 — integral, internal fan is dynamically balanced with the rotor for smooth, quiet operation — has babbit bearings, continuous oil feed, needs no oiling under normal conditions.

Separate Record Level Meters (N) — indicator needles are close together allowing quick, accurate comparison of both channels.

New, Compartmentalized Mode-To-Mode Controls — 2 knobs (I, O) control all transport actions, permit going from one mode to another quickly and safely, no separate stop button — use the same knob to stop a function as you used to start it — electronics can be put into "record" mode without tape in motion (to eliminate bothersome "pop").

Record Indicator Lights (J) — one light for each channel for positive indication (to eliminate mistakes in 4-track monophonic recording).

Master Selector Switch (G) — permits: simple changes from stereo to mono; choice of individual track; multiple generation sound-on-sound-on-sound (an Ampex F-44 exclusive that lets you add 1 to 2, 1 and 2 to 3, 1, 2, 3 to 4, etc.).

Level (H) — playback volume control.

Exclusive Unattended Shut-Off (M) — your F-44 can be turned off (manually) while the tape is still playing, when tape is finished, the auto-set shut off turns off motor, electronics and amplifier (when connected to ac receptacle in rear) — also shuts off recorder if tape should break during unattended recording or playback.

Three, Separate Heads (C) — selective erase head permits increased monophonic flexibility — precision record head — improved playback head with less winding, heavier gauge wire and new lamination contour for increased reliability — all-metal shielding and narrower channel widths eliminate adjacent channel crosstalk.

Automatic Tape Take-Up (K) — eliminates reel threading, simply wind tape around take-up hub.

Improved Constant-Tape-Tension System (D) — eliminates head-wearing pressure pads — is optimized for each recorder to provide proper tension without affecting tape.

Professional Electronics (A) — with separate record and playback, dual-channel electronics — extra stage of amplification in playback section is optimized for each recorder's own playback head and electronics, is adjustable within 2-volt range for matching component systems, allows for better, longer-life playback head —

cooler operation and longer component life from new solid-state rectifier — 15-amp monitor, micro-switch is good for life of recorder, eliminates electrical current from front of recorder.

Die-Cast Frame (R) — extra heavy to eliminate warp — micro-milled for perfect alignment of tape tracking and guidance systems and the head assembly (the exclusive Ampex Fine Line alignment).

Mike Inputs (Q) — are on the top of the deck in the new F-4452 model (on the right side on all other models in the F-44 series) for easy access where unmounted unit is to be part of built-in component system — playback volume control is removed and volume is controlled from centralized audio control center of system — also applicable for mounting in new (optional) Walnut Cabinet.

Built-in Mixer (P, P) — separate volume controls for recording of 4 inputs (2 mic, 2 line) for professional recording techniques.

New, Separate Power and Monitor Switch (F) — switches recorder on and selects monitoring of input.

Tape Position Indicator (E)
7½ and 3¾ IPS Speed Selector (B)

SPECIFICATIONS: F-44 Series

PERFORMANCE SPECIFICATIONS: Ampex guarantees that every Fine Line F-44 Recorder/Player will meet these published specifications... and backs this with the Ampex "4-star" One-Year Warranty. But these standards are minimums only... most F-44 recorder/players will exceed these minimums because each has been optimized to its own individual peak of performance beyond these minimums. Measurements are made by professional equipment standards and instruments.

RECORDS 4-track stereophonic/4-track monophonic.

PLAY 4-track stereophonic/4-track monophonic, half-track monophonic/full-track monophonic.

SPEEDS Records and plays at 7½ and 3¾ ips.

RECORDING INPUTS (A) Two high impedance line inputs (pin jacks), 500,000 ohms, requiring approximately 0.15 volts rms for maximum or normal recording level, located on rear of deck. (B) Two high impedance microphone inputs (phone jacks), 2.2 megohms, requiring approximately 0.5 millivolt for maximum normal recording level.

PLAYBACK OUTPUTS Approximately 1.0 volts rms from cathode follower when using tapes recorded to maximum normal recording level.

OVERALL FREQUENCY RESPONSE Record and Playback — 50-15,000 cps ± 2 db at 7½ ips; 50-10,000 cps $\pm 2-4$ db at 3¾ ips.

SIGNAL-TO-NOISE RATIO Better than 53 db at 7½ ips; better than 48 db at 3¾ ips.

FLUTTER AND WOW Under 0.12% rms at 7½ ips; under 0.18% rms at 3¾ ips (measured according to A.S.A. standard Z57.1-1954).

TIMING ACCURACY $\pm 1.0\%$.

HEADS Manufactured to the same standards of precision that exist in Ampex broadcast and recording studio equipment (see details on page 4).

In U.S.A. all models are U.L. approved. Models F-4450 and F-4460 are also available in Universal voltage versions, giving selection of nine voltages from 105 volts to 265 volts, 50 cycle.

SPECIFICATIONS:

Model 2044 Amplifier/Speaker

OVERALL FREQUENCY RESPONSE 70 cps to better than 13,000 cps, essentially flat acoustically.

POWER OUTPUT 10 watts through push-pull amplifier (20 watts peak) with no audible harmonic distortion. Speakers can use full power.

SPEAKER SYSTEM Two speakers — an 8" high compliance speaker and horn-type tweeter with 1-c crossover network consisting of: 2 inductors, 3 capacitors, 2 resistors.

	F-4450/4452	F-4460	F-4470	2044
Dimensions	13"x15"	14"x17½" x9¼"	14"x24¾" 9¼"	14"x17½" x9¼"
Weight	28 lbs.	36 lbs.	48 lbs.	26 lbs.
Power Requirements	117 V, 105 watts, 60 cps	117 V, 105 watts, 60 cps	117 V, 170 watts, 60 cps	117 V, 55 watts, 60 cps

* Requires 1½" above deck, 6¼" below deck.

AMPEX CORPORATION
401 Broadway/Redwood City, Calif.

The Fine Line F-44 Series is manufactured in the United States

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REORDER NO. 1669

AMPEX "FOUR STAR"
ONE YEAR
WARRANTY

All Ampex F-44 Series recorder/players and 2044 Speaker/Amplifiers are covered with full protection on parts for 1 year—your assurance that Ampex backs its reputation for:

- ★ Quality
- ★ Performance
- ★ Reliability
- ★ Leadership

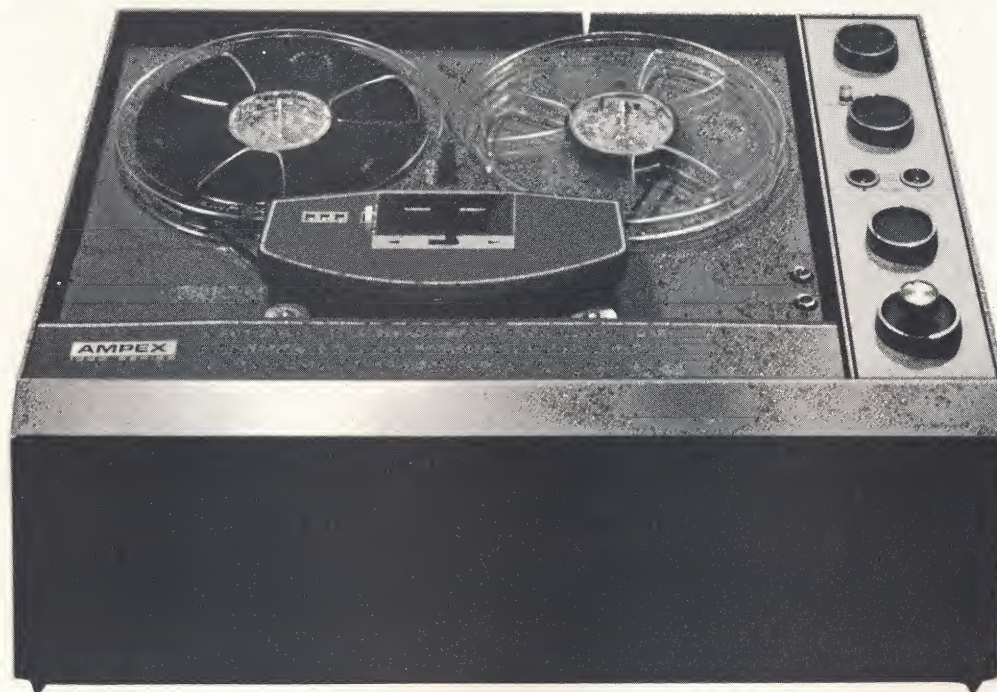
AMPEX 1000 SERIES TAPE RECORDERS

THE NEW VALUE LEADER OF STEREO



AMPEX STEREO EASE

simpler to play than a phonograph



Now from Ampex, world respected producer of professional tape recorders, comes the all new 1000 Series Tape Recorder . . . today's unquestioned value-leader for semi-professional and amateur recordists. Here in this moderately priced unit are all the quality features found in its big brother the fabulous 2000 . . . only the automatic threading and automatic reversing have been omitted. However, if you're looking for a high performance tape recorder, where sound quality is of prime importance, let your ears be the judge of the excellence built in the Ampex 1000 series line.

With the 1000 tape recorder you can play a complete 4 track stereo tape without changing reels or rewinding . . . you also obtain the convenience and longer play of $3\frac{3}{4}$ ips recordings, with a fidelity heretofore reserved for $7\frac{1}{2}$ ips recorders. Never before has Ampex, or any other competitively priced tape recorder, offered so much performance and so many features designed to make tape recording and listening a thrilling experience for every member of the family. Here is truly an uncomplicated, carefree way to enjoy the wonderful worlds of sound at a price well within the reach of most people's budgets.

FINGER-TIP REVERSE—Imagine enjoying a complete 4-track monophonic tape without switching reels. With the

Ampex 1000 you play the entire length of your tape to completion, then flick a switch and the recorder automatically reverses direction and plays back in the opposite direction. When playing 2400' reels of tape at $3\frac{3}{4}$ ips this finger-tip reversing feature allows you to have up to four hours of uninterrupted music, enough for a full night of background music. You may also activate the reverse lever at any point on your tape. Thus you can quickly re-play selections just completed.

UNCOMPLICATED STRAIGHT LINE THREADING—To load the Ampex 1000 you merely place a full reel of tape on the spindle, drop tape between capstans and then on to the take-up reel. Loads faster than a phonograph, quicker than tuning your radio. So easy anyone can master it on his first try.

ULTRA-EASY UNITIZED CONTROLS—All controls are clearly labelled, conveniently grouped and easily accessible. The recorder is engineered to virtually eliminate the possibility of damage through operating errors. Unlike other tape recorders, you need no mechanical skill or knowhow to play and enjoy the Ampex 1000 to the fullest.

AUTOMATIC SHUT-OFF SWITCH—Sit back and enjoy the music . . . should you fall asleep, an automatic switch will turn off the mechanical elements of the Ampex 1000

Tape Recorder. This convenient feature (which works in either direction of play) allows you to leave the recorder during operation without worrying about returning at the completion of the tape.

AUTOMATIC TAPE LIFTERS—Eliminate "jibberish" during fast forward and rewind operations. You'll hear faint, unobjectionable sounds to let you know exactly where tape is during these operations . . . desired selections are easily located for playback and editing.

AUTOMATIC DIGITAL COUNTER—Continually monitors tape motion. Allows you to return to a pre-determined portion of your tape quickly. Automatic re-set button returns counter to 000 at any time.

ADDITIONAL FEATURES—Convenient cord storage compartment; interlocked controls to eliminate tape stress and breakage; attractive snap-on dust cover; fold-down carrying handle; easily accessible mike inputs; "hidden" external input and output receptacles to eliminate unsightly tangled cords; friction-loaded volume controls for simultaneous adjustment of individual speakers; automatic speaker silencers to deaden built-in speakers when external speakers are used; and two-way muting switch for monitoring during record.

AMPEX STEREO PERFORMANCE

the wonderful difference in sound you can depend on hearing

PROFESSIONAL-QUALITY RECORD AND PLAYBACK HEADS (A)

In any recorder the heads are the most important factor contributing to high performance. Their function is to create a magnetic field on tape (during record) or convert a magnetic field into electrical energy (playback). The recorder's performance can be no better than its heads. That's why the heads in the new Ampex 1000 series offer no compromises in performance and quality. They are without doubt the finest heads to be found on amateur or semi-professional equipment. Years of constant use will neither impair their efficiency nor lower the performance of your recorder.

POSITIVE-ACTION, DUAL CAPSTAN DRIVE (B)—Provides the most reliable tape drive system ever devised. In either direction of play, one capstan provides motion, while the other creates a slight holdback tension . . . pressure pads are eliminated. The combination of constant speed and precise tape tension assures uniform tape travel across the heads with ideal head to tape contact. Because tape runs independently of reel action, there is less tendency to jerk or vary speed as tape passes heads. One look at the superior wow and flutter specifications and professionals will recognize this as a superior drive system. With Ampex dual capstan performance, you can play and record tapes at $3\frac{3}{4}$ ips, with a fidelity heretofore possible only at greater speeds. You'll use less tape, save on tape costs, and obtain longer uninterrupted programs.

HIGH-EFFICIENCY, CUSTOM-DESIGNED AMPLIFIERS—For maximum reliability, low noise level, and optimum performance, pre-amplifiers are shock mounted. They are virtually isolated from external vibrations and provide an undistorted flow of signal power to the amplifiers. In the Model 1070, power amplifiers are solid state for longer life and cooler operation . . . frequency limiting output transformers have been eliminated. In all models, the power supply is also solid state for higher efficiency and longer life.

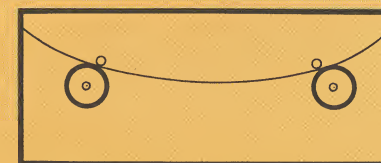
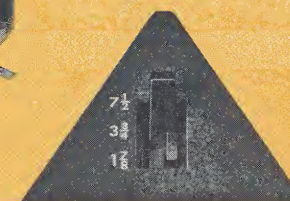
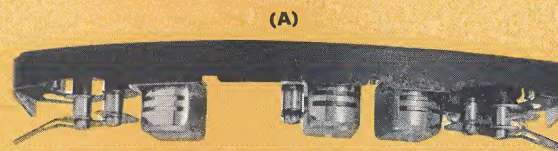
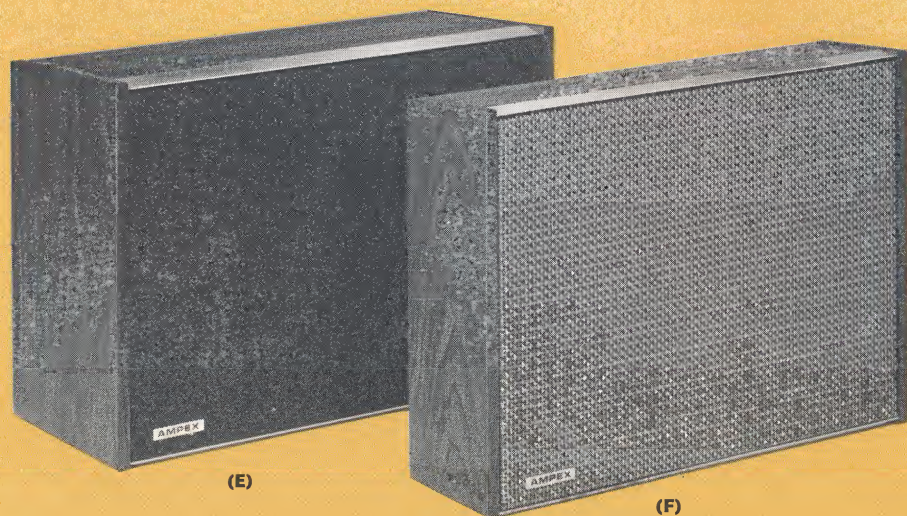
VERSATILE 3-SPEED OPERATION (C)—Whatever your recording requirements and listening pleasure you can select the optimum speed. Where truest fidelity is of prime importance, $7\frac{1}{2}$ ips (inches per second) recording is recommended. For mood music and hours of uninterrupted high fidelity listening select $3\frac{3}{4}$ ips. And, for voice recording, where high fidelity is not of prime importance, select $1\frac{1}{2}$ ips for up to 17 hours of continuous monophonic recording.

BUILT-IN SPEAKERS—Though most recordists will want external speakers for full dramatic stereo effects, the Ampex model 1070 is complete with 2 built-in, full-range speakers (one per channel). With this unit you have a completely self-contained tape recorder for recording and playing virtually anywhere 117 volt current is available. Additionally, built-in speakers are ideal for monitoring during record.

AMPEX MICROPHONE NO. 2001 (D)—The new Ampex microphone is a high impedance omnidirectional dynamic microphone for recording. Optimum frequency response is provided in the critical range from 50 to 15,000 cps. The microphone has been styled for a slim, tapered appearance, is light in weight and comfortably balanced for hand-held use. Attractive matching brushed aluminum base available.

MATCHING SPEAKER SYSTEM (OPTIONAL)—Ampex 1000 Series Speakers are extremely low-priced, but perform exceptionally well throughout the normal hearing range. Matching speakers measure $17\frac{1}{2}$ " x 13 " x $4\frac{1}{2}$ " and come complete with wall mounting brackets. Each 1000 Series Speaker enclosure contains $5\frac{1}{2}$ " woofer speaker, $5\frac{1}{2}$ " wide-range speaker and $2\frac{1}{2}$ " tweeter speaker. Speakers are mounted in a Ampex-designed, fibre glass filled cabinet which is uniquely ported for optimum performance. The system is Ampex engineered with a 4000 cps crossover network. On the back of the unit is a two position attenuator switch to compensate for varying room acoustics. Each speaker comes complete with 15' cord. Model 1015 has charcoal grille cloth, Model 1016 cane, (F).

(E) For even better performance, higher cost 2000 Series Speakers are available and perform beautifully with the 1000 Series Recorders.



AMPEX TRADITIONAL CRAFTSMANSHIP

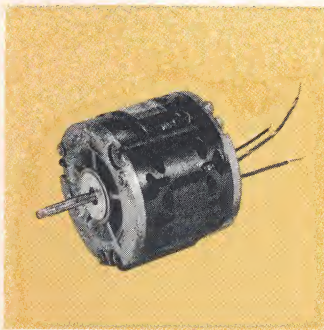
the name for excellence

Into every Ampex recorder goes the knowledge and technical capabilities of the entire Ampex Corporation. Here is a world famous firm, in which one out of every five employees is a highly skilled research scientist, engineer or technician... a corporation that supplies over 80% of the audio and video magnetic reproduction equipment used by the broadcast and entertainment industries... and a corporation whose magnetic recording devices are involved in every missile shot in the free world. It was Ampex who invented, and first introduced Videotape® to the television industry... revolutionizing programming procedures. Here is a corporation who supplies magnetic tape trans-

ports and recording instruments to a myriad of industries where dependability makes the difference between profit and loss.

Now, Ampex inventive-imagination, engineering skill and production capabilities have combined to produce the new 1000 Ampex tape recorders. They are the state of the art in home recording today.

Illustrated here are but a few of the many design, engineering and manufacturing procedures observed in the production of each Ampex tape recorder. Every component... every assembly... every part... has been thoroughly tested and evaluated to insure you of many years of carefree dependable operation.



CONSTANT-SPEED HYSTERESIS SYNCHRONOUS MOTOR.

The electric motor of the Ampex 1000 recorder provides the smooth uniform speed necessary for accurate tape transport. Even when line voltage varies, the motor continues operating at a constant speed. And, varying loads (within motor rating) will not alter its rpm's. Due to the design of this motor, it reverses easily and accelerates quickly to operating speed. You'll get the dependable performance demanded for high-fidelity recording.



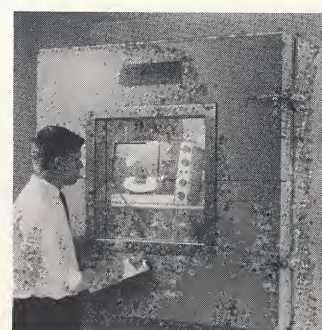
MODERN ELECTRONIC TESTING—

At every step of production, every Ampex tape recorder is thoroughly tested and evaluated. One out of three production people is a tester or an inspector. Typical of Ampex's testing procedures is the manner in which heads are evaluated... the 3 magnetic heads for your recorder are inspected and aligned to tolerances so precise they require special, Ampex-designed micro-optical measuring equipment... an optical comparator is used to align the height, azimuth and perpendicularity of the heads to the tape guides... head gap requirements are held to less than 10 millionths of an inch.



RUGGED PRECISELY MACHINED DIE-CAST FRAMES.

—Wherever there is a stress, or a need for extra rigidity, the Ampex 1000 tape recorder has a die-cast aluminum alloy frame to meet the need. For strength and continued precision alignment there are 10 of these frames to which components are anchored. Particularly important is the Rigid Block die-casting on which all heads are mounted. Even if the recorder should be dropped, perfect alignment is assured. Should adjustment be necessary at any time it can be easily made. In addition, the motor, amplifier, tape transport system and every other critical component are mounted to these sturdy members. The Ampex 1070 weighs 35 lbs. with over 30% of the weight directly related to strength. This strength is one of the reasons the Ampex retains its value year in and year out... it is part of the reason why Ampex recorders consistently bring high prices at trade-in.



ABUSE AND USE TESTING—

Here, in this environmental chamber, Ampex subjects recorders and individual parts to virtually every climatic change encountered in normal usage. Actual recorders have been exposed to temperatures of minus 40° f, then heated to 80° f to simulate removing the recorder from your car in cold weather and taking it inside your home. Parts have been subjected to even lower temperatures and higher extremes to test their reliability and endurance.

In addition, Ampex quality control is continually live testing all working parts. The reverse feature has been put through 300,000 cycles without failure. Play levers and fast forward levers have been put through over 15,000 cycles without visible wear. Other test equipment is constantly monitoring the quality of electric and mechanical parts.

AMPEX MODERN, FRESH STYLING

MODEL 1050

—TAPE DECK FOR COMPONENT SYSTEMS

Model 1050 is designed for those who wish to obtain the performance features of the Model 1070, but already have a system containing power amplifiers and external speakers. The unit is basically a tape transport (identical to Model 1070) with pre-amplifiers. Framing the unit is a die-cast aluminum "picture frame" which overlaps mounting cut-outs... making for a neat, quick installation. May be installed vertically, horizontally or at any angle. Mounting frame provides ample ventilation for wall or furniture installation. **\$349.00***



MODEL 1070

—PORTABLE TAPE RECORDER

A completely self-contained high fidelity tape recorder-player. Ideal for "on location" recording and for people on-the-go. Although portable, it is styled to enhance the decor of any environment. Components include, pre-amplifiers, power amplifiers and built-in monitoring speakers. The entire unit is encased in a handsome, black vinyl-clad reinforced wood cabinet case. Carrying handle well is ported for ample ventilation. Plays vertically, horizontally or at any angle. Also provided is an attractive beige vinyl-clad dust cover and one Ampex model 2001 high impedance microphone. **\$399.00***



MODEL 1080

—FURNITURE MODEL TAPE DECK

Identical to Model 1050 tape deck in operation and electronics.

Unit comes encased in an attractive, oiled walnut cabinet suitable for display in a living room, den, or family room. Ideal for table top or shelf use, as it will play vertically or horizontally. All connections to external amplifiers, speakers, etc., made from the back side of the unit. There is no need for cords to show. When used with 1000 series speakers (plus external amplifiers), their design similarity produces an extremely attractive stereo system. Comes complete with beige vinyl-clad dust cover. **\$369.00***



Each Model records 4-track stereophonic • 4-track monophonic. Each model plays 4-track stereophonic • 4-track monophonic • half-track monophonic • full track monophonic. Reel capacity 7 inches.

*Manufacturer's Suggested List Price

AMPEX PERFORMANCE SPECIFICATIONS

AMPEX
ALL INCLUSIVE ONE YEAR
WARRANTY

		1070		1050/1080	
		Average Perform.	Guar. Min. Perform.	Average Perform.	Guar. Min. Perform.
Overall Record/Reproduce Frequency Response (Pre-Amplifier only)	7½ ips	±3 db 40 cps to 17 KC	±4 db 50 cps to 15 KC	±3 db 40 cps to 17 KC	±4 db 50 cps to 15 KC
	3¾ ips	±3 db 50 cps to 10 KC	±4 db 50 cps to 7.5 KC	±3 db 50 cps to 10 KC	±4 db 50 cps to 7.5 KC
	1⅞ ips	±3 db 50 cps to 5 KC	±4 db 50 cps to 4 KC	±3 db 50 cps to 5 KC	±4 db 50 cps to 4 KC
SIGNAL TO NOISE (from peak record level to broad band noise) (pre-amplifier only)	7½ ips	49 db	46 db	50 db	47 db
	3¾ ips	45 db	42 db	46 db	43 db
	1⅞ ips	40 db	38 db	41 db	39 db
TONE CONTROL RANGE		12 db			
Variable at 100 cps		-6 to +6			
Variable at 10 KC		-6 to +6			
POWER OUTPUT:					
Continuous rms per channel		4W	3W		
Peak Voice & Music power both channels combined		20W	16W		
FLUTTER: (Flutter & Wow comb. measured according to ASA stds.)	7½ ips	0.12%	0.15%	0.12%	0.15%
	3¾ ips	0.15%	0.2%	0.15%	0.2%
	1⅞ ips	0.25%	0.3%	0.25%	0.3%
SPEED ACCURACY	7½ ips	±1%	±1.5%	±1%	±1.5%
	3¾ ips	±1.2%	±3%	±1.2%	±3%
	1⅞ ips	±2%	±4%	±2%	±4%
FAST WIND TIMES (1200' of Tape)		115 sec.	130 sec.	115 sec.	130 sec.

A WORD OF CAUTION—The tape recorder industry today is in a horse-power race, and there is no standard procedure for obtaining and stating specifications. Therefore, if you wish to compare Ampex specifications with those of any other competitor, you must make sure that those specifications were obtained under similar conditions. Otherwise, no valid conclusions or comparisons can be obtained. Ampex is proud of the specifications of its tape recorders. Throughout the years, Ampex tape recorders have set the pace for the industry and commanded the biggest in trade in values. They will continue to do so.

Specifications subject to change without notice.

Although each Ampex 1000 series tape recorder is meticulously tested and evaluated before it leaves the factory, occasionally a unit may prove to be defective by the time it reaches the consumer's hands. Where this occurs, Ampex stands behind its equipment with a one year warranty covering everything, including: tubes, diodes, transistors, etc. . . . **Nothing is excluded.**

This means that any malfunction of the recorder (resulting from faulty workmanship or materials) occurring within the first year of ownership can be referred to an authorized Ampex dealer at absolutely no charge to the owner. This warranty is your assurance that Ampex proudly backs up its products and has faith in their ability to give you many years of enjoyment.

